

Exhibit 11



UNITED STATES
PATENT AND TRADEMARK OFFICE

Assignment abstract of title for Application 12057989

Invention title/Inventor HARDWARE MANAGED CONTEXT SENSITIVE INTERRUPT PRIORITY LEVEL CONTROL Robert Ehrlich, Brett W. Murdock, Craig D. Shaw	Patent 7793025 Sep 7, 2010	Publication 20090248935 Oct 1, 2009	Application 12057989 Mar 28, 2008	PCT	International registration
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Assignments (19 total)

Assignment 19

Reel/frame 048387/0771	Execution date Feb 11, 2019	Date recorded Feb 20, 2019	Properties 18	Pages 6
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Conveyance
RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
DAYLIGHT LAW P.C.
626 JEFFERSON AVENUE, STE. 7
REDWOOD CITY, CA 94063

Assignee
NXP B.V.
HIGH TECH CAMPUS 60
EINDHOVEN 5656 AG
NETHERLANDS

Assignment 18

Reel/frame 048348/0406	Execution date Dec 22, 2018	Date recorded Feb 15, 2019	Properties 1	Pages 4
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Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
NXP USA, INC.

Correspondent
DAYLIGHT LAW, P.C.
626 JEFFERSON AVENUE, STE. 7
REDWOOD CITY, CA 94063

Assignee
VLSI TECHNOLOGY LLC
1209 ORANGE STREET
WILMINGTON, DELAWARE 19801

Assignment 17

Reel/frame	Execution date	Date recorded	Properties	Pages
041354/0148	Nov 7, 2016	Jan 12, 2017	1445	44

Conveyance

CORRECTIVE ASSIGNMENT TO CORRECT THE NATURE OF CONVEYANCE LISTED CHANGE OF NAME SHOULD BE MERGER AND CHANGE PREVIOUSLY RECORDED AT REEL: 040652 FRAME: 0180. ASSIGNOR(S) HEREBY CONFIRMS THE MERGER AND CHANGE OF NAME.

Assignors
FREESCALE SEMICONDUCTOR INC.

Correspondent
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TX 78735

Assignee
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 16

Reel/frame	Execution date	Date recorded	Properties	Pages
040652/0180	Nov 7, 2016	Nov 8, 2016	1445	44

Conveyance

CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignors
FREESCALE SEMICONDUCTOR INC.

Correspondent
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TX 78735

Assignee
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 15

Reel/frame	Execution date	Date recorded	Properties	Pages
040925/0001	Sep 12, 2016	Sep 21, 2016	7471	511

Conveyance

RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
JOANNA MCCALL
1025 VERMONT AVENUE NW, SUITE 1130
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WASHINGTON, DC 20005

Assignee
 NXP, B.V., F/K/A FREESCALE SEMICONDUCTOR, INC.
 5656 AG
 HIGH TECH CAMPUS 60
 EINDHOVEN
 NETHERLANDS

Assignment 14

Reel/frame	Execution date	Date recorded	Properties	Pages
040928/0001	Jun 22, 2016	Nov 7, 2016	7471	511

Conveyance
 RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
 MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
 STEWART WALSH
 1025 VERMONT AVENUE NW, SUITE 1130
 NATIONAL CORPORATE RESEARCH, LTD.
 WASHINGTON, DC 20005

Assignee
 NXP B.V.
 5656 AG HIGH TECH CAMPUS 60
 EINDHOVEN
 NETHERLANDS

Assignment 13

Reel/frame	Execution date	Date recorded	Properties	Pages
039138/0001	May 25, 2016	Jun 16, 2016	5800	501

Conveyance
 SUPPLEMENT TO THE SECURITY AGREEMENT

Assignors
 FREESCALE SEMICONDUCTOR, INC.

Correspondent
 DARLENA BARI STARK
 1025 VERMONT AVE NW, SUITE 1130
 NATIONAL CORPORATE RESEARCH, LTD.
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Assignee
 MORGAN STANLEY SENIOR FUNDING, INC.
 1300 THAMES STREET, 4TH FLOOR
 THAMES STREET WHARF
 BALTIMORE, MARYLAND 21231

Assignment 12

Reel/frame	Execution date	Date recorded	Properties	Pages
041703/0536	Dec 7, 2015	Feb 1, 2017	6031	359

Conveyance
 CORRECTIVE ASSIGNMENT TO CORRECT THE REMOVE PATENTS 8108266 AND 8062324 AND REPLACE THEM WITH 6108266 AND 8060324 PREVIOUSLY RECORDED ON REEL 037518 FRAME 0292. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS.

Assignors
 CITIBANK, N.A.

Correspondent
 JOANNA MCCALL
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MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 11

Reel/frame	Execution date	Date recorded	Properties	Pages
037518/0292	Dec 7, 2015	Jan 13, 2016	6031	358

Conveyance
ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS

Assignors
CITIBANK, N.A.

Correspondent
JOANNA MCCALL
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WASHINGTON, DC 20005

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BALTIMORE, MARYLAND 21231

Assignment 10

Reel/frame	Execution date	Date recorded	Properties	Pages
037486/0517	Dec 7, 2015	Jan 12, 2016	6067	404

Conveyance
ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS

Assignors
CITIBANK, N.A.

Correspondent
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WASHINGTON, DC 20005

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1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 9

Reel/frame	Execution date	Date recorded	Properties	Pages
037354/0688	Dec 7, 2015	Dec 21, 2015	201	16

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
FREESCALE SEMICONDUCTOR, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 8

Reel/frame 037356/0143	Execution date Dec 7, 2015	Date recorded Dec 21, 2015	Properties 5669	Pages 323
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Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
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Assignee
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6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 7

Reel/frame 037356/0553	Execution date Dec 7, 2015	Date recorded Dec 21, 2015	Properties 5722	Pages 306
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Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
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6501 WILLIAM CANNON DRIVE WEST
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Assignment 6

Reel/frame 031591/0266	Execution date Nov 1, 2013	Date recorded Nov 6, 2013	Properties 6045	Pages 372
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Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

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390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 5

Reel/frame 030633/0424	Execution date May 21, 2013	Date recorded Jun 18, 2013	Properties 6079	Pages 419
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Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
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21 TADCASTER CIRCLE
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390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 4

Reel/frame	Execution date	Date recorded	Properties	Pages
024397/0001	Apr 13, 2010	May 13, 2010	5723	319

Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
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388 GREENWICH STREET
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Assignment 3

Reel/frame	Execution date	Date recorded	Properties	Pages
024085/0001	Feb 19, 2010	Mar 15, 2010	1262	338

Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
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NEW YORK, NEW YORK 10013

Assignment 2

Reel/frame	Execution date	Date recorded	Properties	Pages
021194/0593	Apr 25, 2008	Jul 7, 2008	201	15

Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

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390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 1

Reel/frame	Execution date	Date recorded	Properties	Pages
020720/0524	Mar 27, 2008	Mar 28, 2008	1	5

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
EHRlich, ROBERT
MURDOCK, BRETT W.
SHAW, CRAIG D.

Correspondent
HAMILTON & TERRILE, LLP
P.O. BOX 203518
AUSTIN, TX 78720

Assignee
FREESCALE SEMICONDUCTOR, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735



UNITED STATES
PATENT AND TRADEMARK OFFICE

Assignment abstract of title for Application 12787457

Invention title/Inventor METHOD FOR SUPPLYING AN OUTPUT SUPPLY VOLTAGE TO A POWER GATED CIRCUIT AND AN INTEGRATED CIRCUIT Sergey Sofer, Eyal Melamed-Kohen, Valery Neiman	Patent 8081026 Dec 20, 2011	Publication 20110291740 Dec 1, 2011	Application 12787457 May 26, 2010	PCT	International registration
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Assignments (23 total)

Assignment 23

Reel/frame 042610/0451	Execution date May 2, 2017	Date recorded May 29, 2017	Properties 56	Pages 12
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Conveyance
RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
ERIC R. SCHEUERLEIN
626 JEFFERSON AVENUE, SUITE 7
REDWOOD CITY, CA 94063

Assignee
NXP USA, INC. F/K/A FREESCALE SEMICONDUCTOR, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 22

Reel/frame 042374/0001	Execution date Apr 12, 2017	Date recorded Apr 29, 2017	Properties 36	Pages 25
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Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
NXP USA, INC.

Correspondent
ERIC R. SCHEUERLEIN
626 JEFFERSON AVENUE, SUITE 7
REDWOOD CITY, CA 94063

Assignee
VLSI TECHNOLOGY LLC
1209 ORANGE STREET
WILMINGTON, DELAWARE 19801

Assignment 21

Reel/frame	Execution date	Date recorded	Properties	Pages
041260/0850	Nov 7, 2016	Jan 5, 2017	1095	35

Conveyance
CORRECTIVE ASSIGNMENT TO CORRECT THE NATURE OF CONVEYANCE PREVIOUSLY RECORDED AT REEL: 040652
FRAME: 0241. ASSIGNOR(S) HEREBY CONFIRMS THE MERGER AND CHANGE OF NAME.

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
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Assignee
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 20

Reel/frame	Execution date	Date recorded	Properties	Pages
040652/0241	Nov 7, 2016	Nov 8, 2016	1095	34

Conveyance
MERGER (SEE DOCUMENT FOR DETAILS).

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TX 78735

Assignee
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 19

Reel/frame	Execution date	Date recorded	Properties	Pages
040925/0001	Sep 12, 2016	Sep 21, 2016	7471	511

Conveyance
RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
JOANNA MCCALL
1025 VERMONT AVENUE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD.
WASHINGTON, DC 20005

Assignee
 NXP, B.V., F/K/A FREESCALE SEMICONDUCTOR, INC.
 5656 AG
 HIGH TECH CAMPUS 60
 EINDHOVEN
 NETHERLANDS

Assignment 18

Reel/frame	Execution date	Date recorded	Properties	Pages
040928/0001	Jun 22, 2016	Nov 7, 2016	7471	511

Conveyance
 RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
 MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
 STEWART WALSH
 1025 VERMONT AVENUE NW, SUITE 1130
 NATIONAL CORPORATE RESEARCH, LTD.
 WASHINGTON, DC 20005

Assignee
 NXP B.V.
 5656 AG HIGH TECH CAMPUS 60
 EINDHOVEN
 NETHERLANDS

Assignment 17

Reel/frame	Execution date	Date recorded	Properties	Pages
039138/0001	May 25, 2016	Jun 16, 2016	5800	501

Conveyance
 SUPPLEMENT TO THE SECURITY AGREEMENT

Assignors
 FREESCALE SEMICONDUCTOR, INC.

Correspondent
 DARLENA BARI STARK
 1025 VERMONT AVE NW, SUITE 1130
 NATIONAL CORPORATE RESEARCH, LTD.
 WASHINGTON, DC 20005

Assignee
 MORGAN STANLEY SENIOR FUNDING, INC.
 1300 THAMES STREET, 4TH FLOOR
 THAMES STREET WHARF
 BALTIMORE, MARYLAND 21231

Assignment 16

Reel/frame	Execution date	Date recorded	Properties	Pages
042762/0145	Feb 18, 2016	May 9, 2017	7300	386

Conveyance
 CORRECTIVE ASSIGNMENT TO CORRECT THE REMOVE APPLICATION 12681366 PREVIOUSLY RECORDED ON REEL 039361 FRAME 0212. ASSIGNOR(S) HEREBY CONFIRMS THE SECURITY AGREEMENT SUPPLEMENT.

Assignors
 NXP B.V.

Correspondent
 JOANNA MCCALL
 1025 VERMONT AVE NW, SUITE 1130
 COGENCY GLOBAL INC.
 WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 15

Reel/frame	Execution date	Date recorded	Properties	Pages
042985/0001	Feb 18, 2016	May 9, 2017	7300	386

Conveyance
CORRECTIVE ASSIGNMENT TO CORRECT THE REMOVE APPLICATION 12681366 PREVIOUSLY RECORDED ON REEL 038017 FRAME 0058. ASSIGNOR(S) HEREBY CONFIRMS THE SECURITY AGREEMENT SUPPLEMENT.

Assignors
NXP B.V.

Correspondent
JOANNA MCCALL
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WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
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BALTIMORE, MARYLAND 21231

Assignment 14

Reel/frame	Execution date	Date recorded	Properties	Pages
039361/0212	Feb 18, 2016	Jul 14, 2016	7300	386

Conveyance
CORRECTIVE ASSIGNMENT TO CORRECT THE REMOVE APPLICATION 12092129 PREVIOUSLY RECORDED ON REEL 038017 FRAME 0058. ASSIGNOR(S) HEREBY CONFIRMS THE SECURITY AGREEMENT SUPPLEMENT.

Assignors
NXP B.V.

Correspondent
JOANNA MCCALL
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NATIONAL CORPORATE RESEARCH, LTD
WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 13

Reel/frame	Execution date	Date recorded	Properties	Pages
038017/0058	Feb 18, 2016	Mar 7, 2016	7300	385

Conveyance
SECURITY AGREEMENT SUPPLEMENT

Assignors
NXP B.V.

Correspondent
JOANNA MCCALL
1025 VERMONT AVE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD
WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 12

Reel/frame	Execution date	Date recorded	Properties	Pages
037357/0285	Dec 7, 2015	Dec 21, 2015	606	45

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
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6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 11

Reel/frame	Execution date	Date recorded	Properties	Pages
037357/0334	Dec 7, 2015	Dec 21, 2015	606	45

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
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6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 10

Reel/frame	Execution date	Date recorded	Properties	Pages
037357/0387	Dec 7, 2015	Dec 21, 2015	606	37

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
FREESCALE SEMICONDUCTOR, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 9

Reel/frame	Execution date	Date recorded	Properties	Pages
041703/0536	Dec 7, 2015	Feb 1, 2017	6031	359

Conveyance

CORRECTIVE ASSIGNMENT TO CORRECT THE REMOVE PATENTS 8108266 AND 8062324 AND REPLACE THEM WITH 6108266 AND 8060324 PREVIOUSLY RECORDED ON REEL 037518 FRAME 0292. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS.

Assignors
CITIBANK, N.A.

Correspondent
JOANNA MCCALL
1025 VERMONT AVE NW, SUITE 1130
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WASHINGTON, DC 20005

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1300 THAMES STREET, 4TH FLOOR
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Assignment 8

Reel/frame	Execution date	Date recorded	Properties	Pages
037518/0292	Dec 7, 2015	Jan 13, 2016	6031	358

Conveyance

ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS

Assignors
CITIBANK, N.A.

Correspondent
JOANNA MCCALL
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1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 7

Reel/frame	Execution date	Date recorded	Properties	Pages
037486/0517	Dec 7, 2015	Jan 12, 2016	6067	404

Conveyance

ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS

Assignors
CITIBANK, N.A.

Correspondent
DARLENA BARI STARK
1025 VERMONT AVE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD.
WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
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BALTIMORE, MARYLAND 21231

Assignment 6

Reel/frame	Execution date	Date recorded	Properties	Pages
031591/0266	Nov 1, 2013	Nov 6, 2013	6045	372

Conveyance

SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
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Assignee
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390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 5

Reel/frame	Execution date	Date recorded	Properties	Pages
030633/0424	May 21, 2013	Jun 18, 2013	6079	419

Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
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Assignment 4

Reel/frame	Execution date	Date recorded	Properties	Pages
027622/0477	Jan 16, 2012	Jan 31, 2012	607	48

Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

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IP RESEARCH PLUS, INC.
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Assignment 3

Reel/frame	Execution date	Date recorded	Properties	Pages
027621/0928	Jan 16, 2012	Jan 31, 2012	607	47

Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

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NEW YORK, NEW YORK 10013

Assignment 2

Reel/frame	Execution date	Date recorded	Properties	Pages
027622/0075	Jan 16, 2012	Jan 31, 2012	607	47

Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
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ATTN: PENELOPE J.A. AGODOA
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NEW YORK, NEW YORK 10013

Assignment 1

Reel/frame	Execution date	Date recorded	Properties	Pages
024440/0861	May 24, 2010	May 26, 2010	1	6

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
SOFER, SERGEY
MELAMED-KOHEN, EYAL
NEIMAN, VALERY

Correspondent
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AUSTIN, TEXAS 78735



UNITED STATES
PATENT AND TRADEMARK OFFICE

Assignment abstract of title for Application 11078150

Invention title/Inventor POWER OPTIMIZATION OF A MIXED- SIGNAL SYSTEM ON AN INTEGRATED CIRCUIT Marcus W. May, Matthew D. Felder	Patent 7246027 Jul 17, 2007	Publication 20060217920 Sep 28, 2006	Application 11078150 Mar 11, 2005	PCT	International registration
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Assignments (14 total)

Assignment 14

Reel/frame 039490/0680	Execution date Aug 16, 2016	Date recorded Aug 19, 2016	Properties 1	Pages 4
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Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
SIGMATEL, LLC

Correspondent
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WILMINGTON, DELAWARE 19801

Assignment 13

Reel/frame 039428/0845	Execution date Jul 12, 2016	Date recorded Jul 22, 2016	Properties 26	Pages 7
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Conveyance
PATENT RELEASE

Assignors
MORGAN STANLEY SENIOR FUNDING, INC., AS GLOBAL
COLLATERAL AGENT
MORGAN STANLEY SENIOR FUNDING, INC., AS RCF
ADMINISTRATIVE AGENT
MORGAN STANLEY SENIOR FUNDING, INC., AS THE
NOTES COLLATERAL AGENT

Correspondent
JOANNA MCCALL
1025 VERMONT AVE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD
WASHINGTON, DC 20005

Assignee
NXP B.V.
HIGH TECH CAMPUS 60
EINDHOVEN 5656 AG
NETHERLANDS

Assignment 12

Reel/frame	Execution date	Date recorded	Properties	Pages
039723/0777	Dec 7, 2015	Aug 15, 2016	246	28

Conveyance

CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNEE NAME PREVIOUSLY RECORDED AT REEL: 037354 FRAME: 0773.
ASSIGNOR(S) HEREBY CONFIRMS THE PATENT RELEASE.

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
ERIC SCHEUERLEIN
THE MUELLER LAW OFFICE, P.C.
12707 HIGH BLUFF DRIVE, SUITE 200
SAN DIEGO, CA 92130

Assignee
SIGMATEL, LLC
1601 S. MOPAC EXPRESSWAY, SUITE 100
AUSTIN, TEXAS 78735

Assignment 11

Reel/frame	Execution date	Date recorded	Properties	Pages
039682/0358	Dec 7, 2015	Aug 15, 2016	1	24

Conveyance

CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNEE NAME PREVIOUSLY RECORDED AT REEL: 037355 FRAME: 0838.
ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT.

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
ERIC SCHEUERLEIN
THE MUELLER LAW OFFICE, P.C.
12707 HIGH BLUFF DRIVE, SUITE 200
SAN DIEGO, CA 92130

Assignee
SIGMATEL, LLC
1601 S. MOPAC EXPRESSWAY, SUITE 100
AUSTIN, TEXAS 78735

Assignment 10

Reel/frame	Execution date	Date recorded	Properties	Pages
037354/0734	Dec 7, 2015	Dec 21, 2015	278	18

Conveyance

PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
SIGMATEL, INC.
1601 S. MOPAC EXPRESSWAY, SUITE 100
AUSTIN, TEXAS 78735

Assignment 9

Reel/frame	Execution date	Date recorded	Properties	Pages
037354/0773	Dec 7, 2015	Dec 21, 2015	246	20

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
SIGMATEL, INC.
1601 S. MOPAC EXPRESSWAY, SUITE 100
AUSTIN, TEXAS 78735

Assignment 8

Reel/frame	Execution date	Date recorded	Properties	Pages
037355/0838	Dec 7, 2015	Dec 21, 2015	246	22

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
SIGMATEL, INC.
1601 S. MOPAC EXPRESSWAY, SUITE 100
AUSTIN, TEXAS 78735

Assignment 7

Reel/frame	Execution date	Date recorded	Properties	Pages
031626/0218	Nov 1, 2013	Nov 12, 2013	174	19

Conveyance
SECURITY AGREEMENT

Assignors
SIGMATEL, LLC

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A., AS NOTES COLLATERAL AGENT
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 6

Reel/frame 030628/0636	Execution date May 21, 2013	Date recorded Jun 17, 2013	Properties 229	Pages 23
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Conveyance
SECURITY AGREEMENT

Assignors
SIGMATEL, LLC

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A., AS NOTES COLLATERAL AGENT
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 5

Reel/frame 024358/0439	Execution date Apr 13, 2010	Date recorded May 10, 2010	Properties 246	Pages 24
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Conveyance
SECURITY AGREEMENT

Assignors
SIGMATEL, LLC

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A., AS NOTES COLLATERAL AGENT
388 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 4

Reel/frame 024079/0406	Execution date Feb 19, 2010	Date recorded Mar 16, 2010	Properties 246	Pages 26
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Conveyance
SECURITY AGREEMENT

Assignors
SIGMATEL, LLC

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A.
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 3

Reel/frame 039671/0293	Execution date Dec 31, 2008	Date recorded Aug 12, 2016	Properties 1	Pages 5
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Conveyance
CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignors
SIGMATEL, INC.

Correspondent
ERIC SCHEUERLEIN
THE MUELLER LAW OFFICE, P.C.
12707 HIGH BLUFF DRIVE, SUITE 200
SAN DIEGO, CA 92130

Assignee
SIGMATEL, LLC
2711 CENTERVILLE ROAD
SUITE 400
WILMINGTON, DELAWARE 19808

Assignment 2

Reel/frame	Execution date	Date recorded	Properties	Pages
021212/0372	Jun 5, 2008	Jul 9, 2008	278	26

Conveyance
SECURITY AGREEMENT

Assignors
SIGMATEL, INC.

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A.
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 1

Reel/frame	Execution date	Date recorded	Properties	Pages
016380/0256	Mar 9, 2005	Mar 11, 2005	1	3

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
MAY, MARCUS W.
FELDER, MATTHEW D.

Correspondent
KEVIN L. SMITH
P.O. BOX 160727
AUSTIN, TX 78716

Assignee
SIGMATEL, INC., A DELAWARE CORPORATION
1601 S. MOPAC BLVD., SUITE 100
AUSTIN, TEXAS 78746



UNITED STATES
PATENT AND TRADEMARK OFFICE

Assignment abstract of title for Application 09716731

Invention title/Inventor METHOD AND APPARATUS FOR ENABLING A STAND ALONE INTEGRATED CIRCUIT Michael R. May, Marcus W. May	Patent 6633187 Oct 14, 2003	Publication	Application 09716731 Nov 20, 2000	PCT	International registration
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Assignments (15 total)

Assignment 15

Reel/frame 048387/0771	Execution date Feb 11, 2019	Date recorded Feb 20, 2019	Properties 18	Pages 6
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Conveyance
RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
DAYLIGHT LAW P.C.
626 JEFFERSON AVENUE, STE. 7
REDWOOD CITY, CA 94063

Assignee
NXP B.V.
HIGH TECH CAMPUS 60
EINDHOVEN 5656 AG
NETHERLANDS

Assignment 14

Reel/frame 048349/0225	Execution date Dec 22, 2018	Date recorded Feb 15, 2019	Properties 1	Pages 4
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Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
NXP USA, INC.

Correspondent
DAYLIGHT LAW P.C.
626 JEFFERSON AVENUE, STE. 7
REDWOOD CITY, CA 94063

Assignee
VLSI TECHNOLOGY LLC
1209 ORANGE STREET
WILMINGTON, DELAWARE 19801

Assignment 13

Reel/frame	Execution date	Date recorded	Properties	Pages
043328/0351	Jul 18, 2017	Jul 26, 2017	93	7

Conveyance
MERGER (SEE DOCUMENT FOR DETAILS).

Assignors
SIGMATEL, LLC

Correspondent
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TX 78735

Assignee
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 12

Reel/frame	Execution date	Date recorded	Properties	Pages
039723/0777	Dec 7, 2015	Aug 15, 2016	246	28

Conveyance
CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNEE NAME PREVIOUSLY RECORDED AT REEL: 037354 FRAME: 0773.
ASSIGNOR(S) HEREBY CONFIRMS THE PATENT RELEASE.

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
ERIC SCHEUERLEIN
THE MUELLER LAW OFFICE, P.C.
12707 HIGH BLUFF DRIVE, SUITE 200
SAN DIEGO, CA 92130

Assignee
SIGMATEL, LLC
1601 S. MOPAC EXPRESSWAY, SUITE 100
AUSTIN, TEXAS 78735

Assignment 11

Reel/frame	Execution date	Date recorded	Properties	Pages
037354/0734	Dec 7, 2015	Dec 21, 2015	278	18

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
SIGMATEL, INC.
1601 S. MOPAC EXPRESSWAY, SUITE 100
AUSTIN, TEXAS 78735

Assignment 10

Reel/frame 037354/0773	Execution date Dec 7, 2015	Date recorded Dec 21, 2015	Properties 246	Pages 20
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Conveyance
PATENT RELEASE

Assignors CITIBANK, N.A., AS COLLATERAL AGENT	Correspondent IP RESEARCH PLUS, INC. 21 TADCASTER CIRCLE ATTN: PENELOPE J.A. AGODOA WALDORF, MD 20602
--	---

Assignee
SIGMATEL, INC.
1601 S. MOPAC EXPRESSWAY, SUITE 100
AUSTIN, TEXAS 78735

Assignment 9

Reel/frame 037355/0838	Execution date Dec 7, 2015	Date recorded Dec 21, 2015	Properties 246	Pages 22
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Conveyance
PATENT RELEASE

Assignors CITIBANK, N.A., AS COLLATERAL AGENT	Correspondent IP RESEARCH PLUS, INC. 21 TADCASTER CIRCLE ATTN: PENELOPE J.A. AGODOA WALDORF, MD 20602
--	---

Assignee
SIGMATEL, INC.
1601 S. MOPAC EXPRESSWAY, SUITE 100
AUSTIN, TEXAS 78735

Assignment 8

Reel/frame 031626/0218	Execution date Nov 1, 2013	Date recorded Nov 12, 2013	Properties 174	Pages 19
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Conveyance
SECURITY AGREEMENT

Assignors SIGMATEL, LLC	Correspondent IP RESEARCH PLUS, INC. 21 TADCASTER CIRCLE ATTN: PENELOPE J.A. AGODOA WALDORF, MD 20602
----------------------------	---

Assignee
CITIBANK, N.A., AS NOTES COLLATERAL AGENT
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 7

Reel/frame 030628/0636	Execution date May 21, 2013	Date recorded Jun 17, 2013	Properties 229	Pages 23
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Conveyance
SECURITY AGREEMENT

Assignors
SIGMATEL, LLC

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A., AS NOTES COLLATERAL AGENT
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 6

Reel/frame	Execution date	Date recorded	Properties	Pages
024358/0439	Apr 13, 2010	May 10, 2010	246	24

Conveyance
SECURITY AGREEMENT

Assignors
SIGMATEL, LLC

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A., AS NOTES COLLATERAL AGENT
388 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 5

Reel/frame	Execution date	Date recorded	Properties	Pages
024079/0406	Feb 19, 2010	Mar 16, 2010	246	26

Conveyance
SECURITY AGREEMENT

Assignors
SIGMATEL, LLC

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A.
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 4

Reel/frame	Execution date	Date recorded	Properties	Pages
043735/0306	Jan 1, 2009	Aug 31, 2017	92	8

Conveyance
CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignors
SIGMATEL, INC.

Correspondent
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TX 78735

Assignee
 SIGMATEL, LLC
 2711 CENTERVILLE ROAD, SUITE 400
 WILMINGTON, DELAWARE 19808

Assignment 3

Reel/frame	Execution date	Date recorded	Properties	Pages
021212/0372	Jun 5, 2008	Jul 9, 2008	278	26

Conveyance
 SECURITY AGREEMENT

Assignors
 SIGMATEL, INC.

Correspondent
 IP RESEARCH PLUS, INC.
 21 TADCASTER CIRCLE
 ATTN: PENELOPE J.A. AGODOA
 WALDORF, MD 20602

Assignee
 CITIBANK, N.A.
 390 GREENWICH STREET
 NEW YORK, NEW YORK 10013

Assignment 2

Reel/frame	Execution date	Date recorded	Properties	Pages
015074/0385	Mar 6, 2003	Mar 8, 2004	41	12

Conveyance
 SECURITY AGREEMENT

Assignors
 SIGMATEL, INC.

Correspondent
 SILICON VALLEY BANK
 LOAN DOCUMENTATION HA155
 3003 TASMAN DR.
 SANTA CLARA, CA 95054

Assignee
 SILICON VALLEY BANK
 LOAN DOCUMENTATION HA155
 3003 TASMAN DR.
 SANTA CLARA, CALIFORNIA 95054

Assignment 1

Reel/frame	Execution date	Date recorded	Properties	Pages
011337/0038	Nov 13, 2000	Nov 20, 2000	1	2

Conveyance
 ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
 MAY, MICHAEL R.
 MAY, MARCUS W.

Correspondent
 SIGMATEL, INC.
 TIM MARKISON
 2700 VIA FORTUNA, SUITE 500
 AUSTIN, TEXAS 78746

Assignee
 SIGMATEL, INC.
 2700 VIA FORTUNA, SUITE 500
 AUSTIN, TEXAS 78746



UNITED STATES
PATENT AND TRADEMARK OFFICE

Assignment abstract of title for Application 10571636

Invention title/Inventor POWER SAVING OPERATION OF AN APPARATUS WITH A CACHE MEMORY Gerardus Wilhelmus Theodorus Van Der Heijden	Patent 7523331 Apr 21, 2009	Publication 20070055901 Mar 8, 2007	Application 10571636 Mar 13, 2006	PCT	International registration
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Assignments (7 total)

Assignment 7

Reel/frame 040022/0638	Execution date Aug 16, 2016	Date recorded Sep 13, 2016	Properties 6	Pages 7
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Conveyance
CORRECTIVE ASSIGNMENT TO CORRECT THE SIGNATURE PAGE PREVIOUSLY RECORDED AT REEL: 039490 FRAME: 0688.
ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT .

Assignors
NXP B.V.

Correspondent
ERIC SCHEUERLEIN
THE MUELLER LAW OFFICE, P.C.
12707 HIGH BLUFF DRIVE, SUITE 200
SAN DIEGO, CA 92130

Assignee
VLSI TECHNOLOGY LLC
1209 ORANGE STREET
CORPORATION TRUST CENTER
WILMINGTON, DELAWARE 19801

Assignment 6

Reel/frame 039490/0688	Execution date Aug 16, 2016	Date recorded Aug 19, 2016	Properties 6	Pages 5
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Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
NXP B.V.

Correspondent
ERIC SCHEUERLEIN
THE MUELLER LAW OFFICE, P.C.
12707 HIGH BLUFF DRIVE, SUITE 200
SAN DIEGO, CA 92130

Assignee
VLSI TECHNOLOGY LLC
1209 ORANGE STREET
CORPORATION TRUST CENTER
WILMINGTON, DELAWARE 19801

Assignment 5

Reel/frame	Execution date	Date recorded	Properties	Pages
039428/0845	Jul 12, 2016	Jul 22, 2016	26	7

Conveyance
PATENT RELEASE

Assignors
MORGAN STANLEY SENIOR FUNDING, INC., AS GLOBAL
COLLATERAL AGENT
MORGAN STANLEY SENIOR FUNDING, INC., AS RCF
ADMINISTRATIVE AGENT
MORGAN STANLEY SENIOR FUNDING, INC., AS THE
NOTES COLLATERAL AGENT

Correspondent
JOANNA MCCALL
1025 VERMONT AVE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD
WASHINGTON, DC 20005

Assignee
NXP B.V.
HIGH TECH CAMPUS 60
EINDHOVEN 5656 AG
NETHERLANDS

Assignment 4

Reel/frame	Execution date	Date recorded	Properties	Pages
035086/0391	Mar 3, 2015	Mar 4, 2015	9	6

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
BREAKWATERS INNOVATIONS LLC

Correspondent
DAVID L. SCHAEFFER
411 EAST PLUMERIA DRIVE, MS41
NXP SEMICONDUCTORS, IP&L
SAN JOSE, CA 95134

Assignee
NXP B.V.
HIGH TECH CAMPUS 60
EINDHOVEN 5656 AG
NETHERLANDS

Assignment 3

Reel/frame	Execution date	Date recorded	Properties	Pages
032642/0564	Dec 15, 2013	Apr 9, 2014	85	11

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
NXP B.V.

Correspondent
MARC SCHUYLER
PO BOX 2535
SARATOGA, CA 95070

Assignee
BREAKWATERS INNOVATIONS LLC
951 EAST BYRD ST., 8TH FLOOR
LECLAIR RYAN, RIVERFRONT PLAZA, EAST TOWER
RICHMOND, VA 23219, VIRGINIA 23219

Assignment 2

Reel/frame	Execution date	Date recorded	Properties	Pages
022856/0807	May 27, 2009	Jun 24, 2009	74	9

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors KONINKLIJKE PHILIPS ELECTRONICS N.V.	Correspondent CPA GLOBAL LIBERATION HOUSE CASTLE STREET ST. HELIER, JE1 1BL JERSEY
---	--

Assignee
NXP B.V.
HIGH TECH CAMPUS 60
5656 AG EINDHOVEN
NETHERLANDS

Assignment 1

Reel/frame	Execution date	Date recorded	Properties	Pages
017693/0937	Apr 7, 2005	Mar 14, 2006	1	2

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors VAN DER HEIJDEN, GERARDUS WILHELMUS THEODORUS	Correspondent PHILIPS ELECTRONICS NORTH AMERICA CORP. P.O. BOX 3001 345 SCARBOROUGH ROAD BRIARCLIFF MANOR, NY 10510-8001
--	--

Assignee
KONINKLIJKE PHILIPS ELECTRONICS, N.V.
GROENEWOUDSEWEG 1
EINDHOVEN 5621 BA
NETHERLANDS



UNITED STATES
PATENT AND TRADEMARK OFFICE

Assignment abstract of title for Application 12360656

Invention title/Inventor VOLTAGE-BASED MEMORY SIZE SCALING IN A DATA PROCESSING SYSTEM Shayan Zhang, James D. Burnett, Prashant U. Kenkare, Hema Ramamurthy, Andrew C. Russell, Michael D. Snyder	Patent 8156357 Apr 10, 2012	Publication 20100191990 Jul 29, 2010	Application 12360656 Jan 27, 2009	PCT	International registration
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Assignments (16 total)

Assignment 16

Reel/frame 048734/0001	Execution date Feb 17, 2019	Date recorded Feb 20, 2019	Properties 6031	Pages 527
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Conveyance

CORRECTIVE ASSIGNMENT TO CORRECT THE TO CORRECT THE APPLICATION NO. FROM 13,883,290 TO 13,833,290 PREVIOUSLY RECORDED ON REEL 041703 FRAME 0536. ASSIGNOR(S) HEREBY CONFIRMS THE THE ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS..

Assignors

MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent

LENA LAM
JINSONG MANSION,TERRA INDUSTRIAL & TRADE PARK
SHENZHEN, 518000 CHINA

Assignee

SHENZHEN XINGUODU TECHNOLOGY CO., LTD.
17TH FLOOR, JINSONG MANSION,TERRA INDUSTRIAL & TRADE PARK, FUTIAN
SHENZHEN
CHINA

Assignment 15

Reel/frame 048387/0771	Execution date Feb 11, 2019	Date recorded Feb 20, 2019	Properties 18	Pages 6
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Conveyance

RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
DAYLIGHT LAW P.C.
626 JEFFERSON AVENUE, STE. 7
REDWOOD CITY, CA 94063

Assignee
NXP B.V.
HIGH TECH CAMPUS 60
EINDHOVEN 5656 AG
NETHERLANDS

Assignment 14

Reel/frame	Execution date	Date recorded	Properties	Pages
048389/0080	Dec 22, 2018	Feb 20, 2019	1	4

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
NXP USA, INC.

Correspondent
DAYLIGHT LAW P.C.
626 JEFFERSON AVENUE, STE. 7
REDWOOD CITY, CA 94063

Assignee
VLSI TECHNOLOGY LLC
1209 ORANGE STREET
WILMINGTON, DELAWARE 19801

Assignment 13

Reel/frame	Execution date	Date recorded	Properties	Pages
041260/0850	Nov 7, 2016	Jan 5, 2017	1095	35

Conveyance
CORRECTIVE ASSIGNMENT TO CORRECT THE NATURE OF CONVEYANCE PREVIOUSLY RECORDED AT REEL: 040652 FRAME: 0241. ASSIGNOR(S) HEREBY CONFIRMS THE MERGER AND CHANGE OF NAME.

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TX 78735

Assignee
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 12

Reel/frame	Execution date	Date recorded	Properties	Pages
040652/0241	Nov 7, 2016	Nov 8, 2016	1095	34

Conveyance
MERGER (SEE DOCUMENT FOR DETAILS).

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TX 78735

Assignee
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 11

Reel/frame	Execution date	Date recorded	Properties	Pages
040925/0001	Sep 12, 2016	Sep 21, 2016	7471	511

Conveyance
RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
JOANNA MCCALL
1025 VERMONT AVENUE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD.
WASHINGTON, DC 20005

Assignee
NXP, B.V., F/K/A FREESCALE SEMICONDUCTOR, INC.
5656 AG
HIGH TECH CAMPUS 60
EINDHOVEN
NETHERLANDS

Assignment 10

Reel/frame	Execution date	Date recorded	Properties	Pages
040928/0001	Jun 22, 2016	Nov 7, 2016	7471	511

Conveyance
RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
STEWART WALSH
1025 VERMONT AVENUE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD.
WASHINGTON, DC 20005

Assignee
NXP B.V.
5656 AG HIGH TECH CAMPUS 60
EINDHOVEN
NETHERLANDS

Assignment 9

Reel/frame	Execution date	Date recorded	Properties	Pages
039138/0001	May 25, 2016	Jun 16, 2016	5800	501

Conveyance
SUPPLEMENT TO THE SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
DARLENA BARI STARK
1025 VERMONT AVE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD.
WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
THAMES STREET WHARF
BALTIMORE, MARYLAND 21231

Assignment 8

Reel/frame	Execution date	Date recorded	Properties	Pages
037354/0793	Dec 7, 2015	Dec 21, 2015	196	14

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
FREESCALE SEMICONDUCTOR, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 7

Reel/frame	Execution date	Date recorded	Properties	Pages
041703/0536	Dec 7, 2015	Feb 1, 2017	6031	359

Conveyance
CORRECTIVE ASSIGNMENT TO CORRECT THE REMOVE PATENTS 8108266 AND 8062324 AND REPLACE THEM WITH 6108266 AND 8060324 PREVIOUSLY RECORDED ON REEL 037518 FRAME 0292. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS.

Assignors
CITIBANK, N.A.

Correspondent
JOANNA MCCALL
1025 VERMONT AVE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD
WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 6

Reel/frame	Execution date	Date recorded	Properties	Pages
037518/0292	Dec 7, 2015	Jan 13, 2016	6031	358

Conveyance
ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS

Assignors
CITIBANK, N.A.

Correspondent
JOANNA MCCALL
1025 VERMONT AVE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD
WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 5

Reel/frame	Execution date	Date recorded	Properties	Pages
037486/0517	Dec 7, 2015	Jan 12, 2016	6067	404

Conveyance
ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS

Assignors
CITIBANK, N.A.

Correspondent
DARLENA BARI STARK
1025 VERMONT AVE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD.
WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 4

Reel/frame	Execution date	Date recorded	Properties	Pages
031591/0266	Nov 1, 2013	Nov 6, 2013	6045	372

Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A., AS NOTES COLLATERAL AGENT
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 3

Reel/frame	Execution date	Date recorded	Properties	Pages
030633/0424	May 21, 2013	Jun 18, 2013	6079	419

Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
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Assignee
CITIBANK, N.A., AS NOTES COLLATERAL AGENT
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 2

Reel/frame	Execution date	Date recorded	Properties	Pages
022703/0405	Apr 28, 2009	May 19, 2009	196	15

Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A.
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 1

Reel/frame	Execution date	Date recorded	Properties	Pages
022164/0729	Jan 23, 2009	Jan 27, 2009	1	6

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
ZHANG, SHAYAN
BURNETT, JAMES D.
KENKARE, PRASHANT U.
RAMAMURTHY, HEMA
RUSSELL, ANDREW C.
SNYDER, MICHAEL D.

Correspondent
PAT THOMAS
7700 WESR PARMER LANE
TX32/PL02
AUSTIN, TX 78729

Assignee
FREESCALE SEMICONDUCTOR, INC.
6501 WILLIAM CANNON DRIVE WEST
LAW DEPARTMENT
AUSTIN, TEXAS 78735



UNITED STATES
PATENT AND TRADEMARK OFFICE

Assignment abstract of title for Application 11468458

Invention title/Inventor MINIMUM MEMORY OPERATING VOLTAGE TECHNIQUE Andrew C. Russell, David R. Bearden, Bradford L. Hunter, Shayan Zhang	Patent 7523373 Apr 21, 2009	Publication 20080082873 Apr 3, 2008	Application 11468458 Aug 30, 2006	PCT	International registration
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Assignments (21 total)

Assignment 21

Reel/frame 048734/0001	Execution date Feb 17, 2019	Date recorded Feb 20, 2019	Properties 6031	Pages 527
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Conveyance

CORRECTIVE ASSIGNMENT TO CORRECT THE TO CORRECT THE APPLICATION NO. FROM 13,883,290 TO 13,833,290 PREVIOUSLY RECORDED ON REEL 041703 FRAME 0536. ASSIGNOR(S) HEREBY CONFIRMS THE THE ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS..

Assignors

MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent

LENA LAM

JINSONG MANSION,TERRA INDUSTRIAL & TRADE PARK
SHENZHEN, 518000 CHINA

Assignee

SHENZHEN XINGUODU TECHNOLOGY CO., LTD.
17TH FLOOR, JINSONG MANSION,TERRA INDUSTRIAL & TRADE PARK, FUTIAN
SHENZHEN
CHINA

Assignment 20

Reel/frame 048387/0771	Execution date Feb 11, 2019	Date recorded Feb 20, 2019	Properties 18	Pages 6
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Conveyance

RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
DAYLIGHT LAW P.C.
626 JEFFERSON AVENUE, STE. 7
REDWOOD CITY, CA 94063

Assignee
NXP B.V.
HIGH TECH CAMPUS 60
EINDHOVEN 5656 AG
NETHERLANDS

Assignment 19

Reel/frame	Execution date	Date recorded	Properties	Pages
048389/0056	Feb 1, 2019	Feb 20, 2019	1	4

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
NXP USA, INC.

Correspondent
DAYLIGHT LAW P.C.
626 JEFFERSON AVENUE, STE. 7
REDWOOD CITY, CA 94063

Assignee
VLSI TECHNOLOGY LLC
1209 ORANGE STREET
WILMINGTON, DELAWARE 19801

Assignment 18

Reel/frame	Execution date	Date recorded	Properties	Pages
044209/0047	Nov 7, 2016	Sep 21, 2017	1087	69

Conveyance
CORRECTIVE ASSIGNMENT TO CORRECT THE NATURE OF CONVEYANCE PREVIOUSLY RECORDED AT REEL: 040632
FRAME: 0001. ASSIGNOR(S) HEREBY CONFIRMS THE MERGER AND CHANGE OF NAME.

Assignors
FREESCALE SEMICONDUCTOR INC.

Correspondent
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TX 78735

Assignee
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 17

Reel/frame	Execution date	Date recorded	Properties	Pages
040632/0001	Nov 7, 2016	Nov 8, 2016	1087	34

Conveyance
CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
TX30/OE62
AUSTIN, TX 78735

Assignee
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 16

Reel/frame	Execution date	Date recorded	Properties	Pages
040925/0001	Sep 12, 2016	Sep 21, 2016	7471	511

Conveyance
RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
JOANNA MCCALL
1025 VERMONT AVENUE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD.
WASHINGTON, DC 20005

Assignee
NXP, B.V., F/K/A FREESCALE SEMICONDUCTOR, INC.
5656 AG
HIGH TECH CAMPUS 60
EINDHOVEN
NETHERLANDS

Assignment 15

Reel/frame	Execution date	Date recorded	Properties	Pages
040928/0001	Jun 22, 2016	Nov 7, 2016	7471	511

Conveyance
RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
STEWART WALSH
1025 VERMONT AVENUE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD.
WASHINGTON, DC 20005

Assignee
NXP B.V.
5656 AG HIGH TECH CAMPUS 60
EINDHOVEN
NETHERLANDS

Assignment 14

Reel/frame	Execution date	Date recorded	Properties	Pages
039138/0001	May 25, 2016	Jun 16, 2016	5800	501

Conveyance
SUPPLEMENT TO THE SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
DARLENA BARI STARK
1025 VERMONT AVE NW, SUITE 1130
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Assignee
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1300 THAMES STREET, 4TH FLOOR
THAMES STREET WHARF
BALTIMORE, MARYLAND 21231

Assignment 13

Reel/frame	Execution date	Date recorded	Properties	Pages
037354/0823	Dec 7, 2015	Dec 21, 2015	212	15

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
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6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 12

Reel/frame	Execution date	Date recorded	Properties	Pages
037354/0225	Dec 7, 2015	Dec 21, 2015	5510	373

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
FREESCALE SEMICONDUCTOR, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 11

Reel/frame	Execution date	Date recorded	Properties	Pages
041703/0536	Dec 7, 2015	Feb 1, 2017	6031	359

Conveyance
CORRECTIVE ASSIGNMENT TO CORRECT THE REMOVE PATENTS 8108266 AND 8062324 AND REPLACE THEM WITH 6108266 AND 8060324 PREVIOUSLY RECORDED ON REEL 037518 FRAME 0292. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS.

Assignors
CITIBANK, N.A.

Correspondent
JOANNA MCCALL
1025 VERMONT AVE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD
WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 10

Reel/frame	Execution date	Date recorded	Properties	Pages
037518/0292	Dec 7, 2015	Jan 13, 2016	6031	358

Conveyance
ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS

Assignors
CITIBANK, N.A.

Correspondent
JOANNA MCCALL
1025 VERMONT AVE NW, SUITE 1130
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WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 9

Reel/frame	Execution date	Date recorded	Properties	Pages
037486/0517	Dec 7, 2015	Jan 12, 2016	6067	404

Conveyance
ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS

Assignors
CITIBANK, N.A.

Correspondent
DARLENA BARI STARK
1025 VERMONT AVE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD.
WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 8

Reel/frame	Execution date	Date recorded	Properties	Pages
037356/0143	Dec 7, 2015	Dec 21, 2015	5669	323

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
 FREESCALE SEMICONDUCTOR, INC.
 6501 WILLIAM CANNON DRIVE WEST
 AUSTIN, TEXAS 78735

Assignment 7

Reel/frame	Execution date	Date recorded	Properties	Pages
037356/0553	Dec 7, 2015	Dec 21, 2015	5722	306

Conveyance
 PATENT RELEASE

Assignors
 CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
 IP RESEARCH PLUS, INC.
 21 TADCASTER CIRCLE
 ATTN: PENELOPE J.A. AGODOA
 WALDORF, MD 20602

Assignee
 FREESCALE SEMICONDUCTOR, INC.
 6501 WILLIAM CANNON DRIVE WEST
 AUSTIN, TEXAS 78735

Assignment 6

Reel/frame	Execution date	Date recorded	Properties	Pages
031591/0266	Nov 1, 2013	Nov 6, 2013	6045	372

Conveyance
 SECURITY AGREEMENT

Assignors
 FREESCALE SEMICONDUCTOR, INC.

Correspondent
 IP RESEARCH PLUS, INC.
 21 TADCASTER CIRCLE
 ATTN: PENELOPE J.A. AGODOA
 WALDORF, MD 20602

Assignee
 CITIBANK, N.A., AS NOTES COLLATERAL AGENT
 390 GREENWICH STREET
 NEW YORK, NEW YORK 10013

Assignment 5

Reel/frame	Execution date	Date recorded	Properties	Pages
030633/0424	May 21, 2013	Jun 18, 2013	6079	419

Conveyance
 SECURITY AGREEMENT

Assignors
 FREESCALE SEMICONDUCTOR, INC.

Correspondent
 IP RESEARCH PLUS, INC.
 21 TADCASTER CIRCLE
 ATTN: PENELOPE J.A. AGODOA
 WALDORF, MD 20602

Assignee
 CITIBANK, N.A., AS NOTES COLLATERAL AGENT
 390 GREENWICH STREET
 NEW YORK, NEW YORK 10013

Assignment 4

Reel/frame	Execution date	Date recorded	Properties	Pages
024397/0001	Apr 13, 2010	May 13, 2010	5723	319

Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
IP RESEARCH PLUS, INC.
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ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A., AS COLLATERAL AGENT
388 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 3

Reel/frame	Execution date	Date recorded	Properties	Pages
023273/0099	Aug 4, 2009	Sep 23, 2009	212	15

Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A.
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 2

Reel/frame	Execution date	Date recorded	Properties	Pages
018855/0129	Dec 1, 2006	Feb 2, 2007	5503	450

Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.
FREESCALE ACQUISITION CORPORATION
FREESCALE ACQUISITION HOLDINGS CORP.
FREESCALE HOLDINGS (BERMUDA) III, LTD.

Correspondent
CBCINNOVIS DBA FEDERAL RESEARCH
1023 FIFTEENTH STREET, NW, STE 401
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Assignee
CITIBANK, N.A. AS COLLATERAL AGENT
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 1

Reel/frame	Execution date	Date recorded	Properties	Pages
018190/0264	Aug 24, 2006	Aug 30, 2006	1	10

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors

RUSSELL, ANDREW C.
BEARDEN, DAVID R.
ZHANG, SHAYAN
HUNTER, BRADFORD L.

Correspondent

FREESCALE SEMICONDUCTOR, INC.
7700 WEST PARMER LANE
MD: TX32/PL02
AUSTIN, TX 78729

Assignee

FREESCALE SEMICONDUCTOR, INC.
6501 WILLIAM CANNON DRIVE WEST
LAW DEPARTMENT
AUSTIN, TEXAS 78735



UNITED STATES
PATENT AND TRADEMARK OFFICE

Assignment abstract of title for Application 11461200

Invention title/Inventor SRAM HAVING VARIABLE POWER SUPPLY AND METHOD THEREFOR Olga R. Lu, Lawrence F. Childs, Craig D. Gunderson	Patent 7292485 Nov 6, 2007	Publication	Application 11461200 Jul 31, 2006	PCT	International registration
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Assignments (20 total)

Assignment 20

Reel/frame 048387/0771	Execution date Feb 11, 2019	Date recorded Feb 20, 2019	Properties 18	Pages 6
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Conveyance
RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
DAYLIGHT LAW P.C.
626 JEFFERSON AVENUE, STE. 7
REDWOOD CITY, CA 94063

Assignee
NXP B.V.
HIGH TECH CAMPUS 60
EINDHOVEN 5656 AG
NETHERLANDS

Assignment 19

Reel/frame 048349/0290	Execution date Feb 1, 2019	Date recorded Feb 15, 2019	Properties 1	Pages 4
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Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
NXP USA, INC.

Correspondent
DAYLIGHT LAW P.C.
626 JEFFERSON AVENUE, STE. 7
REDWOOD CITY, CA 94063

Assignee
VLSI TECHNOLOGY LLC
1209 ORANGE STREET
WILMINGTON, DELAWARE 19801

Assignment 18

Reel/frame	Execution date	Date recorded	Properties	Pages
044209/0047	Nov 7, 2016	Sep 21, 2017	1087	69

Conveyance
CORRECTIVE ASSIGNMENT TO CORRECT THE NATURE OF CONVEYANCE PREVIOUSLY RECORDED AT REEL: 040632
FRAME: 0001. ASSIGNOR(S) HEREBY CONFIRMS THE MERGER AND CHANGE OF NAME.

Assignors
FREESCALE SEMICONDUCTOR INC.

Correspondent
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TX 78735

Assignee
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 17

Reel/frame	Execution date	Date recorded	Properties	Pages
040632/0001	Nov 7, 2016	Nov 8, 2016	1087	34

Conveyance
CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
TX30/OE62
AUSTIN, TX 78735

Assignee
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 16

Reel/frame	Execution date	Date recorded	Properties	Pages
040925/0001	Sep 12, 2016	Sep 21, 2016	7471	511

Conveyance
RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
JOANNA MCCALL
1025 VERMONT AVENUE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD.
WASHINGTON, DC 20005

Assignee
NXP, B.V., F/K/A FREESCALE SEMICONDUCTOR, INC.
5656 AG
HIGH TECH CAMPUS 60
EINDHOVEN
NETHERLANDS

Assignment 15

Reel/frame	Execution date	Date recorded	Properties	Pages
040928/0001	Jun 22, 2016	Nov 7, 2016	7471	511

Conveyance
RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
STEWART WALSH
1025 VERMONT AVENUE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD.
WASHINGTON, DC 20005

Assignee
NXP B.V.
5656 AG HIGH TECH CAMPUS 60
EINDHOVEN
NETHERLANDS

Assignment 14

Reel/frame	Execution date	Date recorded	Properties	Pages
039138/0001	May 25, 2016	Jun 16, 2016	5800	501

Conveyance
SUPPLEMENT TO THE SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
DARLENA BARI STARK
1025 VERMONT AVE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD.
WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
THAMES STREET WHARF
BALTIMORE, MARYLAND 21231

Assignment 13

Reel/frame	Execution date	Date recorded	Properties	Pages
037354/0670	Dec 7, 2015	Dec 21, 2015	187	13

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
 FREESCALE SEMICONDUCTOR, INC.
 6501 WILLIAM CANNON DRIVE WEST
 AUSTIN, TEXAS 78735

Assignment 12

Reel/frame	Execution date	Date recorded	Properties	Pages
037354/0225	Dec 7, 2015	Dec 21, 2015	5510	373

Conveyance
 PATENT RELEASE

Assignors
 CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
 IP RESEARCH PLUS, INC.
 21 TADCASTER CIRCLE
 ATTN: PENELOPE J.A. AGODOA
 WALDORF, MD 20602

Assignee
 FREESCALE SEMICONDUCTOR, INC.
 6501 WILLIAM CANNON DRIVE WEST
 AUSTIN, TEXAS 78735

Assignment 11

Reel/frame	Execution date	Date recorded	Properties	Pages
041703/0536	Dec 7, 2015	Feb 1, 2017	6031	359

Conveyance
 CORRECTIVE ASSIGNMENT TO CORRECT THE REMOVE PATENTS 8108266 AND 8062324 AND REPLACE THEM WITH 6108266 AND 8060324 PREVIOUSLY RECORDED ON REEL 037518 FRAME 0292. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS.

Assignors
 CITIBANK, N.A.

Correspondent
 JOANNA MCCALL
 1025 VERMONT AVE NW, SUITE 1130
 NATIONAL CORPORATE RESEARCH, LTD
 WASHINGTON, DC 20005

Assignee
 MORGAN STANLEY SENIOR FUNDING, INC.
 1300 THAMES STREET, 4TH FLOOR
 BALTIMORE, MARYLAND 21231

Assignment 10

Reel/frame	Execution date	Date recorded	Properties	Pages
037518/0292	Dec 7, 2015	Jan 13, 2016	6031	358

Conveyance
 ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS

Assignors
 CITIBANK, N.A.

Correspondent
 JOANNA MCCALL
 1025 VERMONT AVE NW, SUITE 1130
 NATIONAL CORPORATE RESEARCH, LTD
 WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 9

Reel/frame	Execution date	Date recorded	Properties	Pages
037486/0517	Dec 7, 2015	Jan 12, 2016	6067	404

Conveyance
ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS

Assignors
CITIBANK, N.A.

Correspondent
DARLENA BARI STARK
1025 VERMONT AVE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD.
WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 8

Reel/frame	Execution date	Date recorded	Properties	Pages
037356/0143	Dec 7, 2015	Dec 21, 2015	5669	323

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
FREESCALE SEMICONDUCTOR, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 7

Reel/frame	Execution date	Date recorded	Properties	Pages
037356/0553	Dec 7, 2015	Dec 21, 2015	5722	306

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
FREESCALE SEMICONDUCTOR, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 6

Reel/frame 031591/0266	Execution date Nov 1, 2013	Date recorded Nov 6, 2013	Properties 6045	Pages 372
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Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A., AS NOTES COLLATERAL AGENT
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 5

Reel/frame 030633/0424	Execution date May 21, 2013	Date recorded Jun 18, 2013	Properties 6079	Pages 419
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Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A., AS NOTES COLLATERAL AGENT
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 4

Reel/frame 024397/0001	Execution date Apr 13, 2010	Date recorded May 13, 2010	Properties 5723	Pages 319
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Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A., AS COLLATERAL AGENT
388 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 3

Reel/frame 021217/0368	Execution date Mar 12, 2008	Date recorded Jul 11, 2008	Properties 187	Pages 15
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Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A.
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 2

Reel/frame	Execution date	Date recorded	Properties	Pages
018855/0129	Dec 1, 2006	Feb 2, 2007	5503	450

Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.
FREESCALE ACQUISITION CORPORATION
FREESCALE ACQUISITION HOLDINGS CORP.
FREESCALE HOLDINGS (BERMUDA) III, LTD.

Correspondent
CBCINNOVIS DBA FEDERAL RESEARCH
1023 FIFTEENTH STREET, NW, STE 401
ATTN: OLEH HERELIUK
WASHINGTON, DC 20005

Assignee
CITIBANK, N.A. AS COLLATERAL AGENT
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 1

Reel/frame	Execution date	Date recorded	Properties	Pages
018028/0445	Jul 28, 2006	Jul 31, 2006	1	5

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
LU, OLGA R.
CHILDS, LAWRENCE F.
GUNDERSON, CRAIG D.

Correspondent
FREESCALE SEMICONDUCTOR, INC.
7700 W. PARMER LANE
TX32/PL02
AUSTIN, TX 78729

Assignee
FREESCALE SEMICONDUCTOR, INC.
6501 WILLIAM CANNON WEST
LAW DEPT.
AUSTIN, TEXAS 78735



UNITED STATES
PATENT AND TRADEMARK OFFICE

Assignment abstract of title for Application 09716616

Invention title/Inventor Method and apparatus for controlling power consumption of an integrated circuit Marcus W. May, Mulligan Daniel	Patent 6366522 Apr 2, 2002	Publication	Application 09716616 Nov 20, 2000	PCT	International registration
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Assignments (15 total)

Assignment 15

Reel/frame 048387/0771	Execution date Feb 11, 2019	Date recorded Feb 20, 2019	Properties 18	Pages 6
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Conveyance
RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
DAYLIGHT LAW P.C.
626 JEFFERSON AVENUE, STE. 7
REDWOOD CITY, CA 94063

Assignee
NXP B.V.
HIGH TECH CAMPUS 60
EINDHOVEN 5656 AG
NETHERLANDS

Assignment 14

Reel/frame 048349/0119	Execution date Dec 22, 2018	Date recorded Feb 15, 2019	Properties 1	Pages 4
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Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
NXP USA, INC.

Correspondent
DAYLIGHT LAW P.C.
626 JEFFERSON AVENUE, STE. 7
REDWOOD CITY, CA 94063

Assignee
VLSI TECHNOLOGY LLC
1209 ORANGE STREET
WILMINGTON, DELAWARE 19801

Assignment 13

Reel/frame	Execution date	Date recorded	Properties	Pages
043328/0351	Jul 18, 2017	Jul 26, 2017	93	7

Conveyance
MERGER (SEE DOCUMENT FOR DETAILS).

Assignors
SIGMATEL, LLC

Correspondent
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TX 78735

Assignee
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 12

Reel/frame	Execution date	Date recorded	Properties	Pages
039723/0777	Dec 7, 2015	Aug 15, 2016	246	28

Conveyance
CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNEE NAME PREVIOUSLY RECORDED AT REEL: 037354 FRAME: 0773.
ASSIGNOR(S) HEREBY CONFIRMS THE PATENT RELEASE.

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
ERIC SCHEUERLEIN
THE MUELLER LAW OFFICE, P.C.
12707 HIGH BLUFF DRIVE, SUITE 200
SAN DIEGO, CA 92130

Assignee
SIGMATEL, LLC
1601 S. MOPAC EXPRESSWAY, SUITE 100
AUSTIN, TEXAS 78735

Assignment 11

Reel/frame	Execution date	Date recorded	Properties	Pages
037354/0734	Dec 7, 2015	Dec 21, 2015	278	18

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
SIGMATEL, INC.
1601 S. MOPAC EXPRESSWAY, SUITE 100
AUSTIN, TEXAS 78735

Assignment 10

Reel/frame 037354/0773	Execution date Dec 7, 2015	Date recorded Dec 21, 2015	Properties 246	Pages 20
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Conveyance
PATENT RELEASE

Assignors CITIBANK, N.A., AS COLLATERAL AGENT	Correspondent IP RESEARCH PLUS, INC. 21 TADCASTER CIRCLE ATTN: PENELOPE J.A. AGODOA WALDORF, MD 20602
--	---

Assignee
SIGMATEL, INC.
1601 S. MOPAC EXPRESSWAY, SUITE 100
AUSTIN, TEXAS 78735

Assignment 9

Reel/frame 037355/0838	Execution date Dec 7, 2015	Date recorded Dec 21, 2015	Properties 246	Pages 22
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Conveyance
PATENT RELEASE

Assignors CITIBANK, N.A., AS COLLATERAL AGENT	Correspondent IP RESEARCH PLUS, INC. 21 TADCASTER CIRCLE ATTN: PENELOPE J.A. AGODOA WALDORF, MD 20602
--	---

Assignee
SIGMATEL, INC.
1601 S. MOPAC EXPRESSWAY, SUITE 100
AUSTIN, TEXAS 78735

Assignment 8

Reel/frame 031626/0218	Execution date Nov 1, 2013	Date recorded Nov 12, 2013	Properties 174	Pages 19
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Conveyance
SECURITY AGREEMENT

Assignors SIGMATEL, LLC	Correspondent IP RESEARCH PLUS, INC. 21 TADCASTER CIRCLE ATTN: PENELOPE J.A. AGODOA WALDORF, MD 20602
----------------------------	---

Assignee
CITIBANK, N.A., AS NOTES COLLATERAL AGENT
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 7

Reel/frame 030628/0636	Execution date May 21, 2013	Date recorded Jun 17, 2013	Properties 229	Pages 23
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Conveyance
SECURITY AGREEMENT

Assignors
SIGMATEL, LLC

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A., AS NOTES COLLATERAL AGENT
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 6

Reel/frame	Execution date	Date recorded	Properties	Pages
024358/0439	Apr 13, 2010	May 10, 2010	246	24

Conveyance
SECURITY AGREEMENT

Assignors
SIGMATEL, LLC

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A., AS NOTES COLLATERAL AGENT
388 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 5

Reel/frame	Execution date	Date recorded	Properties	Pages
024079/0406	Feb 19, 2010	Mar 16, 2010	246	26

Conveyance
SECURITY AGREEMENT

Assignors
SIGMATEL, LLC

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A.
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 4

Reel/frame	Execution date	Date recorded	Properties	Pages
043735/0306	Jan 1, 2009	Aug 31, 2017	92	8

Conveyance
CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignors
SIGMATEL, INC.

Correspondent
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TX 78735

Assignee
 SIGMATEL, LLC
 2711 CENTERVILLE ROAD, SUITE 400
 WILMINGTON, DELAWARE 19808

Assignment 3

Reel/frame	Execution date	Date recorded	Properties	Pages
021212/0372	Jun 5, 2008	Jul 9, 2008	278	26

Conveyance
 SECURITY AGREEMENT

Assignors
 SIGMATEL, INC.

Correspondent
 IP RESEARCH PLUS, INC.
 21 TADCASTER CIRCLE
 ATTN: PENELOPE J.A. AGODOA
 WALDORF, MD 20602

Assignee
 CITIBANK, N.A.
 390 GREENWICH STREET
 NEW YORK, NEW YORK 10013

Assignment 2

Reel/frame	Execution date	Date recorded	Properties	Pages
015074/0385	Mar 6, 2003	Mar 8, 2004	41	12

Conveyance
 SECURITY AGREEMENT

Assignors
 SIGMATEL, INC.

Correspondent
 SILICON VALLEY BANK
 LOAN DOCUMENTATION HA155
 3003 TASMAN DR.
 SANTA CLARA, CA 95054

Assignee
 SILICON VALLEY BANK
 LOAN DOCUMENTATION HA155
 3003 TASMAN DR.
 SANTA CLARA, CALIFORNIA 95054

Assignment 1

Reel/frame	Execution date	Date recorded	Properties	Pages
011339/0990	Nov 14, 2000	Nov 20, 2000	1	2

Conveyance
 ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
 MAY, MARCUS W.
 MULLIGAN, DANIEL

Correspondent
 SIGMATEL, INC.
 TIM MARKISON
 2700 VIA FORTUNA
 SUITE 500
 AUSTIN, TX 78746

Assignee
SIGMATEL, INC.
2700 VIA FORTUNA, SUITE 500
AUSTIN, TEXAS 78746



UNITED STATES
PATENT AND TRADEMARK OFFICE

Assignment abstract of title for Application 11033009

Invention title/Inventor INTEGRATED CIRCUIT HAVING STRUCTURAL SUPPORT FOR A FLIP-CHIP INTERCONNECT PAD AND METHOD THEREFOR Scott K. Pozder, Kevin J. Hess, Pak K. Leung, Edward O. Travis, Brett P. Wilkerson, David G. Wontor, Jie- Hua Zhao	Patent 7247552 Jul 24, 2007	Publication 20060154470 Jul 13, 2006	Application 11033009 Jan 11, 2005	PCT	International registration
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Assignments (20 total)

Assignment 20

Reel/frame 042610/0451	Execution date May 2, 2017	Date recorded May 29, 2017	Properties 56	Pages 12
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Conveyance
RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
ERIC R. SCHEUERLEIN
626 JEFFERSON AVENUE, SUITE 7
REDWOOD CITY, CA 94063

Assignee
NXP USA, INC. F/K/A FREESCALE SEMICONDUCTOR, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 19

Reel/frame 040925/0001	Execution date Sep 12, 2016	Date recorded Sep 21, 2016	Properties 7471	Pages 511
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Conveyance
RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
JOANNA MCCALL
1025 VERMONT AVENUE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD.
WASHINGTON, DC 20005

Assignee
NXP, B.V., F/K/A FREESCALE SEMICONDUCTOR, INC.
5656 AG
HIGH TECH CAMPUS 60
EINDHOVEN
NETHERLANDS

Assignment 18

Reel/frame	Execution date	Date recorded	Properties	Pages
040014/0173	Aug 16, 2016	Sep 13, 2016	22	8

Conveyance
CORRECTIVE ASSIGNMENT TO CORRECT THE SIGNATURE PAGE PREVIOUSLY RECORDED AT REEL: 039490 FRAME: 0701.
ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT .

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
ERIC SCHEUERLEIN
THE MUELLER LAW OFFICE, P.C.
12707 HIGH BLUFF DRIVE, SUITE 200
SAN DIEGO, CA 92130

Assignee
VLSI TECHNOLOGY LLC
1209 ORANGE STREET
CORPORATION TRUST CENTER
WILMINGTON, DELAWARE 19801

Assignment 17

Reel/frame	Execution date	Date recorded	Properties	Pages
039490/0701	Aug 16, 2016	Aug 19, 2016	22	6

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
ERIC SCHEUERLEIN
THE MUELLER LAW OFFICE, P.C.
12707 HIGH BLUFF DRIVE, SUITE 200
SAN DIEGO, CA 92130

Assignee
VLSI TECHNOLOGY LLC
1209 ORANGE STREET
CORPORATION TRUST CENTER
WILMINGTON, DELAWARE 19801

Assignment 16

Reel/frame	Execution date	Date recorded	Properties	Pages
039428/0845	Jul 12, 2016	Jul 22, 2016	26	7

Conveyance
PATENT RELEASE

Assignors
 MORGAN STANLEY SENIOR FUNDING, INC., AS GLOBAL
 COLLATERAL AGENT
 MORGAN STANLEY SENIOR FUNDING, INC., AS RCF
 ADMINISTRATIVE AGENT
 MORGAN STANLEY SENIOR FUNDING, INC., AS THE
 NOTES COLLATERAL AGENT

Correspondent
 JOANNA MCCALL
 1025 VERMONT AVE NW, SUITE 1130
 NATIONAL CORPORATE RESEARCH, LTD
 WASHINGTON, DC 20005

Assignee
 NXP B.V.
 HIGH TECH CAMPUS 60
 EINDHOVEN 5656 AG
 NETHERLANDS

Assignment 15

Reel/frame	Execution date	Date recorded	Properties	Pages
040928/0001	Jun 22, 2016	Nov 7, 2016	7471	511

Conveyance
 RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
 MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
 STEWART WALSH
 1025 VERMONT AVENUE NW, SUITE 1130
 NATIONAL CORPORATE RESEARCH, LTD.
 WASHINGTON, DC 20005

Assignee
 NXP B.V.
 5656 AG HIGH TECH CAMPUS 60
 EINDHOVEN
 NETHERLANDS

Assignment 14

Reel/frame	Execution date	Date recorded	Properties	Pages
039138/0001	May 25, 2016	Jun 16, 2016	5800	501

Conveyance
 SUPPLEMENT TO THE SECURITY AGREEMENT

Assignors
 FREESCALE SEMICONDUCTOR, INC.

Correspondent
 DARLENA BARI STARK
 1025 VERMONT AVE NW, SUITE 1130
 NATIONAL CORPORATE RESEARCH, LTD.
 WASHINGTON, DC 20005

Assignee
 MORGAN STANLEY SENIOR FUNDING, INC.
 1300 THAMES STREET, 4TH FLOOR
 THAMES STREET WHARF
 BALTIMORE, MARYLAND 21231

Assignment 13

Reel/frame	Execution date	Date recorded	Properties	Pages
037354/0704	Dec 7, 2015	Dec 21, 2015	207	15

Conveyance
 PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
FREESCALE SEMICONDUCTOR, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 12

Reel/frame	Execution date	Date recorded	Properties	Pages
037354/0225	Dec 7, 2015	Dec 21, 2015	5510	373

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
FREESCALE SEMICONDUCTOR, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 11

Reel/frame	Execution date	Date recorded	Properties	Pages
041703/0536	Dec 7, 2015	Feb 1, 2017	6031	359

Conveyance
CORRECTIVE ASSIGNMENT TO CORRECT THE REMOVE PATENTS 8108266 AND 8062324 AND REPLACE THEM WITH 6108266 AND 8060324 PREVIOUSLY RECORDED ON REEL 037518 FRAME 0292. ASSIGNOR(S) HEREBY CONFIRMS THE ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS.

Assignors
CITIBANK, N.A.

Correspondent
JOANNA MCCALL
1025 VERMONT AVE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD
WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 10

Reel/frame	Execution date	Date recorded	Properties	Pages
037518/0292	Dec 7, 2015	Jan 13, 2016	6031	358

Conveyance
ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS

Assignors
CITIBANK, N.A.

Correspondent
JOANNA MCCALL
1025 VERMONT AVE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD
WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 9

Reel/frame	Execution date	Date recorded	Properties	Pages
037486/0517	Dec 7, 2015	Jan 12, 2016	6067	404

Conveyance
ASSIGNMENT AND ASSUMPTION OF SECURITY INTEREST IN PATENTS

Assignors
CITIBANK, N.A.

Correspondent
DARLENA BARI STARK
1025 VERMONT AVE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD.
WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 8

Reel/frame	Execution date	Date recorded	Properties	Pages
037356/0143	Dec 7, 2015	Dec 21, 2015	5669	323

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
FREESCALE SEMICONDUCTOR, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 7

Reel/frame	Execution date	Date recorded	Properties	Pages
037356/0553	Dec 7, 2015	Dec 21, 2015	5722	306

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
 FREESCALE SEMICONDUCTOR, INC.
 6501 WILLIAM CANNON DRIVE WEST
 AUSTIN, TEXAS 78735

Assignment 6

Reel/frame	Execution date	Date recorded	Properties	Pages
031591/0266	Nov 1, 2013	Nov 6, 2013	6045	372

Conveyance
 SECURITY AGREEMENT

Assignors
 FREESCALE SEMICONDUCTOR, INC.

Correspondent
 IP RESEARCH PLUS, INC.
 21 TADCASTER CIRCLE
 ATTN: PENELOPE J.A. AGODOA
 WALDORF, MD 20602

Assignee
 CITIBANK, N.A., AS NOTES COLLATERAL AGENT
 390 GREENWICH STREET
 NEW YORK, NEW YORK 10013

Assignment 5

Reel/frame	Execution date	Date recorded	Properties	Pages
030633/0424	May 21, 2013	Jun 18, 2013	6079	419

Conveyance
 SECURITY AGREEMENT

Assignors
 FREESCALE SEMICONDUCTOR, INC.

Correspondent
 IP RESEARCH PLUS, INC.
 21 TADCASTER CIRCLE
 ATTN: PENELOPE J.A. AGODOA
 WALDORF, MD 20602

Assignee
 CITIBANK, N.A., AS NOTES COLLATERAL AGENT
 390 GREENWICH STREET
 NEW YORK, NEW YORK 10013

Assignment 4

Reel/frame	Execution date	Date recorded	Properties	Pages
024397/0001	Apr 13, 2010	May 13, 2010	5723	319

Conveyance
 SECURITY AGREEMENT

Assignors
 FREESCALE SEMICONDUCTOR, INC.

Correspondent
 IP RESEARCH PLUS, INC.
 21 TADCASTER CIRCLE
 ATTN: PENELOPE J.A. AGODOA
 WALDORF, MD 20602

Assignee
 CITIBANK, N.A., AS COLLATERAL AGENT
 388 GREENWICH STREET
 NEW YORK, NEW YORK 10013

Assignment 3

Reel/frame 020518/0215	Execution date Oct 25, 2007	Date recorded Feb 16, 2008	Properties 208	Pages 18
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Conveyance
SECURITY AGREEMENT

Assignors FREESCALE SEMICONDUCTOR, INC.	Correspondent IP RESEARCH PLUS, INC. 21 TADCASTER CIRCLE ATTN: PENELOPE J.A. AGODOA WALDORF, MD 20602
--	---

Assignee
CITIBANK, N.A.
390 GREENWICH ST
NEW YORK, NEW YORK 10013

Assignment 2

Reel/frame 018855/0129	Execution date Dec 1, 2006	Date recorded Feb 2, 2007	Properties 5503	Pages 450
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Conveyance
SECURITY AGREEMENT

Assignors FREESCALE SEMICONDUCTOR, INC. FREESCALE ACQUISITION CORPORATION FREESCALE ACQUISITION HOLDINGS CORP. FREESCALE HOLDINGS (BERMUDA) III, LTD.	Correspondent CBCINNOVIS DBA FEDERAL RESEARCH 1023 FIFTEENTH STREET, NW, STE 401 ATTN: OLEH HERELIUK WASHINGTON, DC 20005
---	---

Assignee
CITIBANK, N.A. AS COLLATERAL AGENT
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 1

Reel/frame 016165/0552	Execution date Jan 10, 2005	Date recorded Jan 11, 2005	Properties 1	Pages 6
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Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors POZDER, SCOTT K. HESS, KEVIN J. LEUNG, PAK K. TRAVIS, EDWARD O. WILKERSON, BRETT P. WONTOR, DAVID G. ZHAO, JIE-HUA	Correspondent FREESCALE SEMICONDUCTOR, INC. ROBERT L. KING 7700 WEST PARMER LANE AUSTIN, TX 78729
---	---

Assignee
FREESCALE SEMICONDUCTOR, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735



UNITED STATES
PATENT AND TRADEMARK OFFICE

Assignment abstract of title for Application 09105285

Invention title/Inventor SECURE DATA COMMUNICATION OVER A MEMORY- MAPPED SERIAL COMMUNICATIONS INTERFACE UTILIZING A DISTRIBUTED FIREWALL PAUL S. LEVY, STEVE CORNELIUS	Patent 6212633 Apr 3, 2001	Publication	Application 09105285 Jun 26, 1998	PCT	International registration
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Assignments (7 total)

Assignment 7

Reel/frame 044644/0207	Execution date Dec 4, 2017	Date recorded Jan 17, 2018	Properties 13	Pages 10
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Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors NXP B.V.	Correspondent DAYLIGHT LAW, P.C. 626 JEFFERSON AVENUE, SUITE 7 REDWOOD CITY, CA 94063
-----------------------	--

Assignee
VLSI TECHNOLOGY LLC
1209 ORANGE STREET
WILMINGTON, DELAWARE 19801

Assignment 6

Reel/frame 018645/0779	Execution date Nov 30, 2006	Date recorded Dec 15, 2006	Properties 595	Pages 37
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Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors PHILIPS SEMICONDUCTORS INC.	Correspondent ELIZABETH PARSONS 1825 EYE STREET, NW WASHINGTON, DC 20006
--	---

Assignee
NXP B.V.
HIGH TECH CAMPUS 60
5656 AG EINDHOVEN
NETHERLANDS

Assignment 5

Reel/frame	Execution date	Date recorded	Properties	Pages
043951/0611	Sep 29, 2006	Sep 22, 2017	406	13

Conveyance
CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignors
PHILIPS SEMICONDUCTORS INTERNATIONAL B.V.

Correspondent
NXP B.V.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TX 78735

Assignee
NXP B.V.
HIGH TECH CAMPUS 60
EINDHOVEN 5656 AG
NETHERLANDS

Assignment 4

Reel/frame	Execution date	Date recorded	Properties	Pages
043951/0127	Sep 28, 2006	Sep 22, 2017	406	124

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
KONINKLIJKE PHILIPS ELECTRONICS N.V.

Correspondent
NXP B.V.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TX 78735

Assignee
PHILIPS SEMICONDUCTORS INTERNATIONAL B.V.
HIGH TECH CAMPUS 60
EINDHOVEN 5656 AG
NETHERLANDS

Assignment 3

Reel/frame	Execution date	Date recorded	Properties	Pages
018668/0255	Dec 20, 1999	Dec 22, 2006	595	21

Conveyance
CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignors
PHILIPS SEMICONDUCTORS VLSI INC.

Correspondent
ELIZABETH PARSONS
1825 EYE STREET, NW
WASHINGTON, DC 20006

Assignee
PHILIPS SEMICONDUCTORS INC.
1251 AVENUE OF THE AMERICAS
NEW YORK, NEW YORK 10020

Assignment 2

Reel/frame	Execution date	Date recorded	Properties	Pages
018635/0570	Jul 2, 1999	Dec 15, 2006	595	21

Conveyance
CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignors
VLSI TECHNOLOGY, INC.

Correspondent
ELIZABETH PARSONS
1825 EYE STREET, NW
WASHINGTON, DC 20006

Assignee
PHILIPS SEMICONDUCTORS VLSI INC.
1251 AVENUE OF THE AMERICAS
NEW YORK, NEW YORK 10020

Assignment 1

Reel/frame	Execution date	Date recorded	Properties	Pages
009294/0872	Jun 25, 1998	Jun 26, 1998	1	3

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
LEVY, PAUL S.
CORNELIUS, STEVE

Correspondent
WOOD, HERRON & EVANS, L.L.P.
SCOTT A. STINEBRUNER
2700 CAREW TOWER
441 VINE STREET
CINCINNATI, OH 45202

Assignee
VLSI TECHNOLOGY, INC.
1109 MCKAY DRIVE
SAN JOSE, CALIFORNIA 95131



UNITED STATES
PATENT AND TRADEMARK OFFICE

Assignment abstract of title for Application 11170475

Invention title/Inventor SYSTEM AND METHOD OF MANAGING CLOCK SPEED IN AN ELECTRONIC DEVICE Matthew Henson	Patent 7725759 May 25, 2010	Publication 20070006006 Jan 4, 2007	Application 11170475 Jun 29, 2005	PCT	International registration
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Assignments (18 total)

Assignment 18

Reel/frame 048387/0771	Execution date Feb 11, 2019	Date recorded Feb 20, 2019	Properties 18	Pages 6
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Conveyance
RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
DAYLIGHT LAW P.C.
626 JEFFERSON AVENUE, STE. 7
REDWOOD CITY, CA 94063

Assignee
NXP B.V.
HIGH TECH CAMPUS 60
EINDHOVEN 5656 AG
NETHERLANDS

Assignment 17

Reel/frame 048349/0169	Execution date Dec 22, 2018	Date recorded Feb 15, 2019	Properties 1	Pages 4
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Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
NXP USA, INC.

Correspondent
DAYLIGHT LAW P.C.
626 JEFFERSON AVENUE, STE. 7
REDWOOD CITY, CA 94063

Assignee
VLSI TECHNOLOGY LLC
1209 ORANGE STREET
WILMINGTON, DELAWARE 19801

Assignment 16

Reel/frame	Execution date	Date recorded	Properties	Pages
043328/0351	Jul 18, 2017	Jul 26, 2017	93	7
Conveyance MERGER (SEE DOCUMENT FOR DETAILS).				
Assignors SIGMATEL, LLC		Correspondent NXP USA, INC. 6501 WILLIAM CANNON DRIVE WEST AUSTIN, TX 78735		

Assignee
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 15

Reel/frame	Execution date	Date recorded	Properties	Pages
039723/0777	Dec 7, 2015	Aug 15, 2016	246	28
Conveyance CORRECTIVE ASSIGNMENT TO CORRECT THE ASSIGNEE NAME PREVIOUSLY RECORDED AT REEL: 037354 FRAME: 0773. ASSIGNOR(S) HEREBY CONFIRMS THE PATENT RELEASE.				
Assignors CITIBANK, N.A., AS COLLATERAL AGENT		Correspondent ERIC SCHEUERLEIN THE MUELLER LAW OFFICE, P.C. 12707 HIGH BLUFF DRIVE, SUITE 200 SAN DIEGO, CA 92130		

Assignee
SIGMATEL, LLC
1601 S. MOPAC EXPRESSWAY, SUITE 100
AUSTIN, TEXAS 78735

Assignment 14

Reel/frame	Execution date	Date recorded	Properties	Pages
037354/0734	Dec 7, 2015	Dec 21, 2015	278	18
Conveyance PATENT RELEASE				
Assignors CITIBANK, N.A., AS COLLATERAL AGENT		Correspondent IP RESEARCH PLUS, INC. 21 TADCASTER CIRCLE ATTN: PENELOPE J.A. AGODOA WALDORF, MD 20602		

Assignee
SIGMATEL, INC.
1601 S. MOPAC EXPRESSWAY, SUITE 100
AUSTIN, TEXAS 78735

Assignment 13

Reel/frame	Execution date	Date recorded	Properties	Pages
037354/0773	Dec 7, 2015	Dec 21, 2015	246	20
Conveyance PATENT RELEASE				

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
SIGMATEL, INC.
1601 S. MOPAC EXPRESSWAY, SUITE 100
AUSTIN, TEXAS 78735

Assignment 12

Reel/frame	Execution date	Date recorded	Properties	Pages
037355/0838	Dec 7, 2015	Dec 21, 2015	246	22

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
SIGMATEL, INC.
1601 S. MOPAC EXPRESSWAY, SUITE 100
AUSTIN, TEXAS 78735

Assignment 11

Reel/frame	Execution date	Date recorded	Properties	Pages
037356/0143	Dec 7, 2015	Dec 21, 2015	5669	323

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
FREESCALE SEMICONDUCTOR, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 10

Reel/frame	Execution date	Date recorded	Properties	Pages
037356/0553	Dec 7, 2015	Dec 21, 2015	5722	306

Conveyance
PATENT RELEASE

Assignors
CITIBANK, N.A., AS COLLATERAL AGENT

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
FREESCALE SEMICONDUCTOR, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TEXAS 78735

Assignment 9

Reel/frame	Execution date	Date recorded	Properties	Pages
031626/0218	Nov 1, 2013	Nov 12, 2013	174	19

Conveyance
SECURITY AGREEMENT

Assignors
SIGMATEL, LLC

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A., AS NOTES COLLATERAL AGENT
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 8

Reel/frame	Execution date	Date recorded	Properties	Pages
030628/0636	May 21, 2013	Jun 17, 2013	229	23

Conveyance
SECURITY AGREEMENT

Assignors
SIGMATEL, LLC

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A., AS NOTES COLLATERAL AGENT
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 7

Reel/frame	Execution date	Date recorded	Properties	Pages
024358/0439	Apr 13, 2010	May 10, 2010	246	24

Conveyance
SECURITY AGREEMENT

Assignors
SIGMATEL, LLC

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A., AS NOTES COLLATERAL AGENT
388 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 6

Reel/frame 024397/0001	Execution date Apr 13, 2010	Date recorded May 13, 2010	Properties 5723	Pages 319
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Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A., AS COLLATERAL AGENT
388 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 5

Reel/frame 024079/0406	Execution date Feb 19, 2010	Date recorded Mar 16, 2010	Properties 246	Pages 26
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Conveyance
SECURITY AGREEMENT

Assignors
SIGMATEL, LLC

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A.
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 4

Reel/frame 024085/0001	Execution date Feb 19, 2010	Date recorded Mar 15, 2010	Properties 1262	Pages 338
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Conveyance
SECURITY AGREEMENT

Assignors
FREESCALE SEMICONDUCTOR, INC.

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A.
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 3

Reel/frame 043735/0306	Execution date Jan 1, 2009	Date recorded Aug 31, 2017	Properties 92	Pages 8
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Conveyance
CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignors
SIGMATEL, INC.

Correspondent
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TX 78735

Assignee
SIGMATEL, LLC
2711 CENTERVILLE ROAD, SUITE 400
WILMINGTON, DELAWARE 19808

Assignment 2

Reel/frame	Execution date	Date recorded	Properties	Pages
021212/0372	Jun 5, 2008	Jul 9, 2008	278	26

Conveyance
SECURITY AGREEMENT

Assignors
SIGMATEL, INC.

Correspondent
IP RESEARCH PLUS, INC.
21 TADCASTER CIRCLE
ATTN: PENELOPE J.A. AGODOA
WALDORF, MD 20602

Assignee
CITIBANK, N.A.
390 GREENWICH STREET
NEW YORK, NEW YORK 10013

Assignment 1

Reel/frame	Execution date	Date recorded	Properties	Pages
016742/0522	Jun 27, 2005	Jun 29, 2005	1	3

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
HENSON, MATTHEW

Correspondent
JEFFREY G. TOLER
5000 PLAZA ON THE LAKE
SUITE 265
AUSTIN, TX 78746

Assignee
SIGMATEL, INC.
1601 S. MOPAC
AUSTIN, TEXAS 78746



UNITED STATES
PATENT AND TRADEMARK OFFICE

Assignment abstract of title for Application 10873894

Invention title/Inventor SEQUENTIAL ORDERING OF TRANSACTIONS IN DIGITAL SYSTEMS WITH MULTIPLE REQUESTORS Kevin Locker	Patent 7606983 Oct 20, 2009	Publication 20060047773 Mar 2, 2006	Application 10873894 Jun 21, 2004	PCT	International registration
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Assignments (10 total)

Assignment 10

Reel/frame 048387/0771	Execution date Feb 11, 2019	Date recorded Feb 20, 2019	Properties 18	Pages 6
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Conveyance
RELEASE BY SECURED PARTY (SEE DOCUMENT FOR DETAILS).

Assignors
MORGAN STANLEY SENIOR FUNDING, INC.

Correspondent
DAYLIGHT LAW P.C.
626 JEFFERSON AVENUE, STE. 7
REDWOOD CITY, CA 94063

Assignee
NXP B.V.
HIGH TECH CAMPUS 60
EINDHOVEN 5656 AG
NETHERLANDS

Assignment 9

Reel/frame 048349/0250	Execution date Feb 1, 2019	Date recorded Feb 15, 2019	Properties 1	Pages 3
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Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
NXP B.V.

Correspondent
DAYLIGHT LAW P.C.
626 JEFFERSON AVENUE, STE. 7
REDWOOD CITY, CA 94063

Assignee
VLSI TECHNOLOGY LLC
1209 ORANGE STREET
WILMINGTON, DELAWARE 19801

Assignment 8

Reel/frame	Execution date	Date recorded	Properties	Pages
042762/0145	Feb 18, 2016	May 9, 2017	7300	386

Conveyance
CORRECTIVE ASSIGNMENT TO CORRECT THE REMOVE APPLICATION 12681366 PREVIOUSLY RECORDED ON REEL 039361 FRAME 0212. ASSIGNOR(S) HEREBY CONFIRMS THE SECURITY AGREEMENT SUPPLEMENT.

Assignors
NXP B.V.

Correspondent
JOANNA MCCALL
1025 VERMONT AVE NW, SUITE 1130
COGENCY GLOBAL INC.
WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 7

Reel/frame	Execution date	Date recorded	Properties	Pages
042985/0001	Feb 18, 2016	May 9, 2017	7300	386

Conveyance
CORRECTIVE ASSIGNMENT TO CORRECT THE REMOVE APPLICATION 12681366 PREVIOUSLY RECORDED ON REEL 038017 FRAME 0058. ASSIGNOR(S) HEREBY CONFIRMS THE SECURITY AGREEMENT SUPPLEMENT.

Assignors
NXP B.V.

Correspondent
JOANNA MCCALL
1025 VERMONT AVE NW, SUITE 1130
COGENCY GLOBAL INC.
WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 6

Reel/frame	Execution date	Date recorded	Properties	Pages
039361/0212	Feb 18, 2016	Jul 14, 2016	7300	386

Conveyance
CORRECTIVE ASSIGNMENT TO CORRECT THE REMOVE APPLICATION 12092129 PREVIOUSLY RECORDED ON REEL 038017 FRAME 0058. ASSIGNOR(S) HEREBY CONFIRMS THE SECURITY AGREEMENT SUPPLEMENT.

Assignors
NXP B.V.

Correspondent
JOANNA MCCALL
1025 VERMONT AVE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD
WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 5

Reel/frame	Execution date	Date recorded	Properties	Pages
038017/0058	Feb 18, 2016	Mar 7, 2016	7300	385

Conveyance
SECURITY AGREEMENT SUPPLEMENT

Assignors
NXP B.V.

Correspondent
JOANNA MCCALL
1025 VERMONT AVE NW, SUITE 1130
NATIONAL CORPORATE RESEARCH, LTD
WASHINGTON, DC 20005

Assignee
MORGAN STANLEY SENIOR FUNDING, INC.
1300 THAMES STREET, 4TH FLOOR
BALTIMORE, MARYLAND 21231

Assignment 4

Reel/frame	Execution date	Date recorded	Properties	Pages
019719/0843	Jul 4, 2007	Aug 17, 2007	1293	76

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
KONINKLIJKE PHILIPS ELECTRONICS N.V.

Correspondent
ELIZABETH PARSONS
1825 EYE STREET, NW
WASHINGTON, DC 20006

Assignee
NXP B.V.
HIGH TECH CAMPUS 60
5656 AG EINDHOVEN
NETHERLANDS

Assignment 3

Reel/frame	Execution date	Date recorded	Properties	Pages
043951/0436	Sep 29, 2006	Sep 22, 2017	407	13

Conveyance
CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

Assignors
PHILIPS SEMICONDUCTORS INTERNATIONAL B.V.

Correspondent
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TX 78735

Assignee
NXP B.V.
HIGH TECH CAMPUS 60
EINDHOVEN 5656 AG
NETHERLANDS

Assignment 2

Reel/frame	Execution date	Date recorded	Properties	Pages
043955/0001	Sep 28, 2006	Sep 22, 2017	407	124

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
KONINKLIJKE PHILIPS ELECTRONICS N.V.

Correspondent
NXP USA, INC.
6501 WILLIAM CANNON DRIVE WEST
AUSTIN, TX 78735

Assignee
PHILIPS SEMICONDUCTORS INTERNATIONAL B.V.
HIGH TECH CAMPUS 60
EINDHOVEN 5656 AG
NETHERLANDS

Assignment 1

Reel/frame	Execution date	Date recorded	Properties	Pages
015512/0595	Jun 7, 2004	Jun 21, 2004	1	2

Conveyance
ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

Assignors
LOCKER, KEVIN

Correspondent
PHILIPS ELECTRONICS NORTH AMERICA CORP.
PETER ZAWILSKI
1109 MCKAY DRIVE, M/S-41SJ
SAN JOSE, CA 95131

Assignee
KONINKLIJKE PHILIPS ELECTRONICS N.V.
GROENEWOUDSEWEG 1
EINDHOVEN 5621 BA
NETHERLANDS